



hf happenings 862

Volume 19, Issue 19, the week of 26 August 2019

HF Happenings from www.sarl.org.za/hf_happenings.asp

Southern African Fauna and Flora <https://zsfaunaandflora.wordpress.com/>

ZS SOTA <https://zssoata.wordpress.com/>

Zone 38 Award and others <https://zone38award.wordpress.com/>

Worldwide List of HF Beacons <https://iaruhfbeacons.wordpress.com/>

5 MHz (60 metre) allocations <http://www.sarl.org.za/public/contests/contestrules.asp>

Provisional Results of the SARL HF Digital Contest

The Contest Committee received 5 logs for the HF Digital Contest held on Sunday 18 August 2019. 61 QSOs were made with 13 on 20 m; 22 on 40 m and 26 on 80 m.

1st Jan Botha, ZS4JAN – 118 points

2nd Theunis Potgieter, ZS2EC – 34 points

3rd Bernie vd Walt, ZS4TX – 28 points

4th Hennie Marais, ZS6HM – 24 points

5th JJ Botes, ZS6GAZ – 12 points

The highest score on a single band was Jan, ZS4JAN with 44 points on 80 metres.

Club Competition

1st Bloemfontein ARC – 146 points

2nd PEARS – 34 points

3rd Magalies ARC – 24 points

4th Coalfields ARC – 12 points

After two contests

1st Bloemfontein ARC – 353 points

2nd Bo-Karoo ARC – 294 points

3rd PEARS – 241 points

4th Pretoria ARC – 239 points

5th Hibiscus Coast ARC and the West Rand ARC – 173 points

7th Magalies ARC – 64 points

8th Highway ARC – 37 points

9th Boland ARC and Coalfields ARC – 12 points

The results of the HF Phone contest as published in HF Happenings 860 are deemed as the final results.

The highest score on a single band in the phone contest was ZS4JAN – 95 points; ZS1LL – 80 points and ZS6MAW – 74 points, all on 80 metres.

Google Earth

Francesco, IV3TMM has prepared the KMZ files for showing CQ and ITU zones on Google Earth and made them available for download on <https://g7vjr.org/>.

August

29 to 31 – Williston Winter Festival

30 and 31 – Hantam Vleisfees, Calvinia

31 – JARL Ham Fair, Tokyo; Islamic New Year

September

1 – JARL Ham Fair, Tokyo; National Arbour Week starts

2 – [Closing date HF CW logs](#)

6 to 8 – Ceres Railway West Coast Trip

7 – [the West Rand Flea Market](#)

7 and 8 - [Region 1 SSB and RSGB SSB Field Days](#)

8 to 15 – SA National Parks Week

14 and 15 – [the SARL National Field Day; Churches and Chapels on The Air](#)

15 – [RAE Registration closes](#)

16 - World Ozone Day

17 - [Highway ARC Monthly Meeting](#)

18 - The Battle of Square Hill - 18

September 1918; [the SARL 80 m Club Sprint](#)

20 - Provincial schools close

20 to 22 – the 2019 Darling Wildflower Festival

21 and 22 - [All Africa DX contest; SARL VHF/UHF Digital contest; Railways on the Air](#)

21 to 24 – Magoebaskloof Spring Festival

22 - Spring Equinox

23 – [Closing date for NFD logs](#)

24 - National Braai Day / Heritage Day

26 to 29 - SA Bull Run, Vanwyksvlei

26 - World Maritime Day

27 - World Tourism Day

27 and 28 – Fish River Canoe Marathon, Cradock

28 and 29 - [CQ WW RTTY contest](#)

29 – [Closing date Africa All Mode logs](#)

Vincent, F4BKV has updated the KMZ file containing all IOTA groups including the six new ones. The new version (iota-v-3.kmz) can be downloaded from <https://iota-world.org/> (click on "Downloads" in the drop-down menu under "Programme Information").

African DX

Contacts with stations on the African continent count towards the SARL's All Africa Award (www.sarl.org.za/public/awards/awards.asp)



Burundi, 9U. Francesco, IV3TMM operates as 9U3TMM from Bujumbura between 31 August and 17 September. He will be active on 60 to 6 m using SSB, FT8, and RTTY. QSL via IV3TMM via the bureau and LoTW.



Somalia, 6070. Ken, LA7GIA, reports [edited]: "I will be active from Somalia between 14 and 28 September on all bands 160 to 10 m mainly on CW. Activity on other modes (SSB, FT8) will be limited and on 1 or 2 bands only. This trip has proved to be very difficult to plan, but finally after 3 site visits all details are sorted out. I have all permits in hand – and look forward to returning to Somalia after 18 months. I will particularly focus on working NA this time, as well low bands. I have some good vertical low band antennas, and some good RX antennas. The RX antennas will hopefully be located far away from noise sources. There will be a guard protecting the beverages 24/7. Please follow my instructions when it comes to calling for geographical areas. Because there is a very short opening to NA on low bands, in particular western part of NA. If there is propagation, I will only call for NA when we approach my sunrise. EU will have the best conditions and shall try to work me during their evening time on low bands. Please carefully note the QSO and QSL policy mentioned on my Web page. Free and fast LoTW is only for the good first class operators who can follow the QSO policy and DX code of conduct. I have some additional security related expenses like an armoured car, armed guards, etc. If you would like to contribute to protecting the low band antennas from being stolen, cut or moved – make a donation to PayPal (kenneth@opskar.no). Anyone who donates in advance before the DXpedition end will receive direct QSL and express LoTW! This time I would also like to offer you the possibility to donate to a humanitarian fundraiser for the Norwegian organization Sabona who helps children in Africa. Please use the same PayPal address but indicate your call and that it is meant as humanitarian donation. Please look for more info on my Web page (<https://www.la7gia.com/where-next/>). QSL via M0OXO. Logs will be uploaded to ClubLog. Also, make sure you read Ken's "QSO & QSL Policy" on his Web page.

The Gambia, C5. Don, G3XTT, will once again be active as C56DF from The Gambia, but this time in CQ WW DX CW Contest (23 and 24 November). Look for operation before and maybe after the contest. Activity will be on various bands, probably all CW like last time using low power (IC-7300 and wires) from a rooftop apartment. He will, of course, upload logs to LoTW and ClubLog, but possibly only after his return to the UK. QSL direct to Don's home callsign or via ClubLog's OQRS.

African Islands

IOTA Frequencies

CW: 28 040 24 920 21 040 18 098 14 040 10 114 7 030 3 530 kHz

SSB: 28 560 28 460 24 950 21 260 18 128 14 260 7 055 3 760 kHz

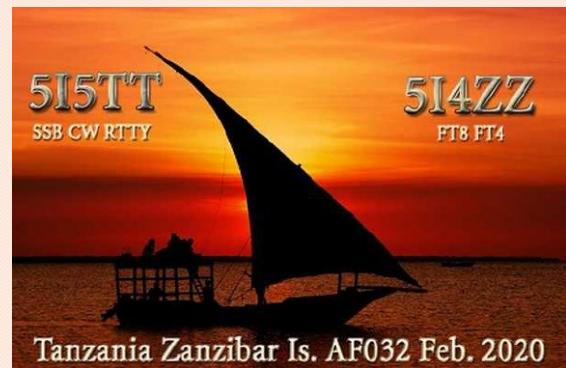


Ascension Island, ZD8. Steve, WB4GHY, is currently on Ascension Island on a work detail. Look for him to possibly be active on various days as ZD8SC. The length of his stay is unknown. Activity will be on 80 to 10 metres on SSB only using an IC-7000 to a directional antenna. QSL via WB4GHY or LoTW.

Tristan Da Cunha, ZD9. (Emergency Fund Appeal). Steve, G4EDG/ZD9CW, reports [edited]: "On July 18/19th, Tristan suffered a terrifying storm, the worst for nearly twenty years. Severe damage was suffered by residential, administration buildings as well as to the school and fish processing factory. Thankfully nobody was injured, but life on the island has been severely affected and work is in progress to repair the buildings. Materials for this task are on their way from South Africa on the MV Edinburgh, the same boat that took me to the island last year for my ZD9CW operation, a rough journey of seven days. Perhaps DXers would consider donating to help with the daunting task of restoring Tristan to some sort of normality." For more details and on how you can

help, see <https://www.justgiving.com/campaign/tristanemergencyfund>

Cape Verde, D4. Harald, DF2WO, will once again be active as D44TWO from Praia, Santiago Island (AF-005), between 29 September and 13 October. Activity will be holiday style on 160 to 10 metres using CW, SSB and the Digital modes. He states that he works mostly on the Digital modes (FT8, PSK31, JT65 and RTTY) and slow CW. It was reported this past week that "he has been working hard in the last few months getting his Satellite station working and is now confident he will use it from Cabo Verde. He will be using an Icom 7300, 2 transverters with 3 watts output on ES-Hail using the QO-100 Geostationary Satellite." He will also have a FT-450D into a homemade HEX BEAM and a dipole for 40 metres. QSL via MOOXO (QRSS available).



4U1UN

The following update was posted to the United Nations Amateur Radio Club's Facebook page on 25 August, "We are receiving a lot of messages regarding the lack of 4U1UN (United Nations Amateur Radio Club) activity on the bands. We will try to clear some things about the current Club's activities. Many of you do not know that after the renovation of the UNHQ building in New York, the room dedicated to the recreation area, on the 41st floor, in which the 4U1UN radio equipment was located, was transferred to the special UN unit - Broadcast and Conference Support Section. That room now is allocated to professional communications equipment. This was the only room technically suitable to be used for installing our gear, with easy access to the roof but after renovation it became off-limits for any other services, except BCSS.

Please do not think that UNARC members gave up and are doing nothing - believe me, almost daily communication has not been interrupted for the past seven years. After the successful activity of 4U70UN back in 2015, with the support of the UN Administration, we were able to secure a tiny 20-square-feet room for the Club's needs on the ground floor of the building. For obvious reasons, no one will give us the opportunity to run a separate coaxial cable from the ground floor to the 41st floor. Considering the fact that the room, allocated for the Club, can be transferred to any other place at any time, we have developed a project for installing a remote station on the 41st floor. The main difficulty in quick implementation of such project at the UNHQ is not political, but administrative and organizational. The BCSS is responsible for the security for all the UN communications equipment. They provide the entire UN communication (including emergency etc.) to all UN field locations around the World. There are communication repeaters, satellite links and other equipment, access to which is strictly limited. Only security personnel, authorized by this service, have permission to be there. Coordination of access to this room for club members (UN staff) at such a high level, takes several months to be approved, and the time allowed for work is limited to only one or two hours per visit. If it were not for BCSS support, nothing would have been possible at all, even the placement of the beacon station and antenna! Imagine that you want to put a remotely controlled and unsupervised amateur radio station in the server room of the White House special communications service, and you

will get the picture. Every time we get access - we are accompanied by representatives of three different UN services, and only because none of us is giving up - the process of returning the UN amateur radio station in the air, although slowly, continues.

Now, some good news!

This Saturday [24 August 2019, ed.], several members of the UN radio club, representatives of UN services and guests, once again got the opportunity to continue the configuration of equipment and its connections. Unfortunately, the assembled 19-inch rack and part of the equipment were disconnected during delivery to the 41st floor, including disassembling of the power amplifier. This is mainly because the BCSS personnel needed to hand carry all the equipment several flights of stairs to the top floor. The ACOM-2000A amplifier fully assembled is very heavy, so its disassembling was certainly needed. After four hours of work, the connections of the SteppIR BigIR vertical antennas were restored, a new SDA-100 controller was installed and a RemoteRig 1216H was connected for easy remote access. The antenna was tested and configured. Remote access from the first floor works (special thanks for the separately run Ethernet cable over the entire height of the building, for the use of the Radio Club). The operation of the ACOM-2000A amplifier with an antenna was tested.

While we were testing, we realized that our Elecraft K3 needed to be disconnected and sent for repair. Apparently, due to the lack of the ability to retract BigIR antenna earlier, static discharges damaged the K3 power control board. Updating/re-installing of the K3 firmware didn't help. Let's hope for a speedy recovery of the transceiver after treatment at Elecraft!

We really hope that in the very near future, after debugging and setting up all the equipment, we will finally be able to proudly look at the work done and begin to appear steadily on the bands; and you will be able to get ATNO with the UNHQ!

Thanks to everyone involved, especially to James Sarte K2QI (UNARC President), Philip Dale G6CBR (UNARC), UN Security Staff, UN BCSS Staff, Adrian Ciuperca (KO8SCA).

To be continued!"

Contest Calendar

This week's contests as compiled by Bruce Horn, WA7BNM. The period covered is 26 August to 2 September 2019

Hawaii QSO Party
04:00 UTC 24 August to 04:00 UTC 26 August
Geographic Focus: United States/Canada
state/province QSO party
Participation: Worldwide
Mode: CW, Phone, Digital
Bands: 160, 80, 40, 20, 15, 10 m
Classes: Single Op - QRP, low or high; Multi-Single - low or high; Multi-Multi - low or high
Max power: HP: 1 500 watts; LP: 100 watts;
QRP: 5 watts
Exchange: HI: RS(T) and QTH; non-HI W/VE: RS(T) and state or province; DX: RS(T)
Work stations: Once per band per mode
QSO Points: 2 points per SSB QSO; 3 points per CW/digital QSO
Multipliers: HI: Each HI QTH once; HI: Each state/province/territory/country once; non-HI: Each HI QTH once per band
Score Calculation: Total score = total QSO points x total mults

Submit logs by: 30 September 2019
E-mail logs to: ad6e@arrl.net
Upload log at:
www.b4h.net/hqp/hqpsubmitlog.php
Mail logs to: (none)
Find rules at:
www.hawaiiqsoparty.org/Rules/HQP/HQPRules-2019-A.html

QCX Challenge
13:00 - 14:00 UTC 26 August and 19:00 - 20:00 UTC 26 August and 03:00 - 04:00 UTC 27 August
Geographic Focus: Worldwide
Participation: Worldwide
Mode: CW
Bands: 160, 80, 40, 20, 15, 10 m
Classes: Single Op
Max power: HP: >5 watts; QRP: 5 watts
Exchange: RST, name, state, province or country and Rig

Work stations: Once per band
 QSO Points: 3 points per QSO with QCX station;
 1 point per QSO with non-QCX station
 Multipliers: (none)
 Score Calculation: Total score = total QSO points
 Submit logs by: 04:00 UTC 29 August 2019
 Post log summary at: www.3830scores.com
 Mail logs to: (none)
 Find rules at: www.qrp-labs.com/party.html

SKCC Sprint
 00:00 - 02:00 UTC 28 August
 Geographic Focus: Worldwide
 Participation: Worldwide
 Awards: Worldwide
 Mode: CW
 Bands: 160, 80, 40, 20, 15, 10 m
 Classes: (none)
 Exchange: RST, state, province or country, name and SKCC no or power
 Work stations: Once per band
 QSO Points: (see rules)
 Multipliers: Each state, province, or country once
 Score Calculation: Total score = (total QSO points x total mults) and bonus points
 Submit logs by: 23:59 UTC 30 August 2019
 E-mail log summary to: (none)
 Post log summary at: www.skccgroup.com/operating_activities/weekday_sprint/submit-display.php
 Mail logs to: (none)
 Find rules at: www.skccgroup.com/operating_activities/weekday_sprint/



Phone Fray
 02:30 - 03:00 UTC 28 August
 Geographic Focus: North America
 Participation: Worldwide
 Mode: SSB

Bands: 160, 80, 40, 20, 15 m
 Classes: Single Op
 Max power: 100 watts
 Exchange: NA: Name and state, province or country; non-NA: Name
 Work stations: Once per band
 QSO Points: NA station: 1 point per QSO; non-NA station: 1 point per QSO with an NA station
 Multipliers: Each US state (including KH6/KL7) once per band; Each VE province/territory once per band; Each North American country (except W/VE) once per band
 Score Calculation: Total score = total QSO points x total mults
 Submit logs by: 03:00 UTC 30 August 2019
 E-mail logs to: (none)
 Post log summary at: www.3830scores.com
 Mail logs to: (none)
 Find rules at: www.perluma.com/Phone_Fray_Contest_Rules.pdf

CWops Mini-CWT Test
 13:00 - 14:00 UTC 28 August and 19:00 - 20:00 UTC 28 August and 03:00 - 04:00 UTC 29 August
 Geographic Focus: Worldwide
 Participation: Worldwide
 Awards: Worldwide
 Mode: CW
 Bands: 160, 80, 40, 20, 15, 10 m
 Classes: Single Op - QRP, low or high
 Max power: HP: >100 watts; LP: 100 watts; QRP: 5 watts
 Exchange: Member: Name and member no; non-Member: Name and state, province or country
 Work stations: Once per band
 QSO Points: 1 point per QSO
 Multipliers: Each call once
 Score Calculation: Total score = total QSO points x total mults
 Submit logs by: 04:00 UTC 31 August 2019
 Post log summary at: www.3830scores.com
 Mail logs to: (none)
 Find rules at: <https://cwops.org/cwops-tests/>

QRP Fox Hunt
 01:00 - 02:30 UTC 30 August
 Geographic Focus: United States
 Participation: Worldwide

Mode: CW
Bands: 20 m Only
Classes: Single Op - fox or hound
Max power: 5 watts
Exchange: RST, state, province or country, name and power output
QSO Points: 1 point per QSO
Multipliers: (none)
Score Calculation: Total score = total QSO points
Submit logs by: 02:30 UTC 31 August 2019
E-mail logs to: (see rules)
Mail logs to: (none)
Find rules at: www.qrpfoxhunt.org/summer_rules.htm

NCCC RTTY Sprint
01:45 - 02:15 UTC 30 August
Geographic Focus: North America
Participation: Worldwide
Mode: RTTY
Bands: (see rules)
Classes: (none)
Exchange: Serial no, name and QTH
Score Calculation: Total score = total QSO points x total mults
Submit logs by: 1 September 2019
E-mail logs to: (none)
Post log summary at: www.3830scores.com/
Mail logs to: (none)
Find rules at: www.ncccsprint.com/rttyns.html

NCCC Sprint
02:30 - 03:00 UTC 30 August
Geographic Focus: North America
Participation: Worldwide
Mode: CW
Bands: (see rules)
Classes: (none)
Exchange: Serial no, name and QTH
Score Calculation: Total score = total QSO points x total mults
Submit logs by: 1 September 2019
E-mail logs to: (none)
Post log summary at: www.3830scores.com/
Mail logs to: (none)
Find rules at: www.ncccsprint.com/rules.html

Hiram Percy Maxim Birthday Celebration
00:00 UTC 31 August to 23:59 UTC 8 September

Geographic Focus: United States/Canada
Participation: Worldwide
Mode: CW, Phone, Digital
Bands: All, except 60, 30, 17, 12 m
Classes: (none)
Exchange: W/VE: RS(T)/SNR and ARRL/RAC Section; DX: RS(T)/SNR and "DX"
Work stations: Once per band per mode
QSO Points: 1 point per QSO with non-members; 2 points per QSO with ARRL members (call/150); 3 points per QSO with W1AW/150
Bonus Points: see rules
Multipliers: Each ARRL/RAC section once
Score Calculation: Total score = (total QSO points and total mults) and Bonus Points
Submit logs by: 18 September 2019
E-mail logs to: (none)
Upload log at: <http://contests.arrl.org/arrlHPM150scoressubmission.php>
Mail logs to: (none)
Find rules at: www.arrl.org/hpm150-birthday-celebration

UK/EI DX SSB Contest
12:00 UTC 31 August to 12:00 UTC 1 September
Geographic Focus: Worldwide
Participation: Worldwide
Mode: SSB
Bands: 80, 40, 20, 15, 10 m
Classes: Single Op Unconnected - 24 or 12 - QRP, low or high; Single Op Connected - 24 or 12 - QRP, low or high; Single Op Overlay: Single-Element-Antenna; Multi-Single - QRP, low or high
Max power: HP: >100 W; LP: 100 W; QRP: 5 W
Exchange: UK/EI: RS, serial no and District Code; DX: RS and serial no
QSO Points: (see rules)
Multipliers: Each DXCC country once per band; Each UK/EI district once per band
Score Calculation: Total score = total QSO points x total mults
Submit logs by: 12:00 UTC 2 September 2019
Upload log at: <http://logs.ukeicc.com/cgi-bin/hfenter.pl?Contest=DX%20SSB%20Contest>
Mail logs to: (none)
Find rules at: www.ukeicc.com/dx-contest-rules.php

Worldwide Digi DX Contest
12:00 UTC 31 August to 12:00 UTC 1 September
Geographic Focus: Worldwide
Participation: Worldwide
Mode: FT4/8
Bands: 160, 80, 40, 20, 15, 10 m
Classes: Single Op All Band - QRP, low or high; Single Op Single Band - QRP, low or high; Multi-Single - low or high; Multi-Two; Multi-Unlimited
Max power: HP: 1 500 watts; LP: 100 watts; QRP: 5 watts
Exchange: 4-character grid square
Work stations: Once per band
QSO Points: 1 point per QSO plus 1 point per 3000 km short path distance between stations
Multipliers: Each grid field (first 2 letters of grid square) once per band
Score Calculation: Total score = total QSO points x total mults
Submit logs by: 23:59 UTC 6 September 2019
E-mail logs to: (none)
Upload log at: <http://ww-digi.com/logcheck/>
Mail logs to: (none)
Find rules at: <https://ww-digi.com/>

Colorado QSO Party
13:00 UTC 31 August to 04:00 UTC 1 September
Geographic Focus: United States/Canada state/province QSO party
Participation: Worldwide
Mode: CW, Phone, Digital
Bands: 160, 80, 40, 20, 15, 10, VHF/UHF
Classes: Single Op - CW, phone digital or mixed - QRP, low or high; Multi-Single - CW, phone digital or mixed - QRP, low or high; Mobile Single Op - CW, phone digital or mixed - QRP or low; Mobile Multi-Op - CW, phone digital or mixed - QRP or low; Portable Single Op - CW, phone digital or mixed - QRP or low; Portable Multi-Op - CW, phone digital or mixed - QRP or low; School - CW, phone digital or mixed - QRP, low or high
Max power: HP: >150 watts; LP: 150 watts; QRP: 5 watts
Exchange: CO: Name and county; W/VE: Name and state or province; DX: Name and DXCC prefix

Work stations: Once per band per mode per CO county
QSO Points: 1 point per phone QSO; 2 points per CW/digital QSO; Double QSO points for countries outside of W/VE
Multipliers: CO Stations: Each CO county, state, VE province, DXCC country, maritime region once per mode; Non-CO: Each county once per mode
Power: (see rules)
Score Calculation: (see rules)
Submit logs by: October 5, 2019
E-mail logs to: coqlogs@ppraa.org
Mail logs to: Colorado QSO Party, PO Box 16521, Colorado Springs, CO 80935-6521, USA
Find rules at: <http://ppraa.org/coqp>

Tennessee QSO Party
18:00 UTC 1 September to 03:00 UTC 2 September
Geographic Focus: United States/Canada state/province QSO party
Participation: Worldwide
Mode: CW, Phone, Digital
Bands: 160, 80, 40, 20, 15, 10, VHF/UHF
Classes: Fixed - single op or multi-op - CW, phone digital or mixed - QRP, low or high; Mobile - single op or multi-op - CW, phone digital or mixed - QRP, low or high
Max power: HP: >150 watts; LP: 150 watts; QRP: 5 watts
Exchange: TN: RS(T) and county; non-TN: RS(T) and state, province or country
Work stations: Once per band per mode
QSO Points: 3 points per QSO; (see rules for bonus QSO points)
Multipliers: TN: TN counties, states, provinces, DXCC countries once per band; non-TN: TN counties once per band
Score Calculation: Total score = (total QSO points x total mults) and bonus points
Submit logs by: 2 October 2019
E-mail logs to: logs@tnqp.org
Mail logs to: Tennessee QSO Party, c/o Doug Smith, W9WI, 1389 Old Clarksville Pike, Pleasant View, TN 37146-8098, USA
Find rules at: <http://tnqp.org/rules/>

RSGB FT4 Contest Series
19:00 – 19:59 UTC 2 September
Geographic Focus: United Kingdom

Participation: Worldwide
 Mode: FT4
 Bands: 80 m Only
 Classes: 100 W; 10 W
 Exchange: Signal Report and 4-character grid square
 QSO Points: 1 point per km between stations (50 points if both stations in same grid); 2 500 points per QSO with G#6XX and G#3DR
 Multipliers: (none)
 Score Calculation: Total score = total QSO points
 Submit logs by: 19:59 UTC 3 September 2019
 Upload log at: www.rsgbcc.org/cgi-bin/hfenter.pl
 Mail logs to: (none)
 Find rules at: www.rsgbcc.org/hf/rules/2019/r80m_ft4.shtml

MI QRP Labour Day CW Sprint
 23:00 UTC 2 September to 03:00 UTC 3 September
 Geographic Focus: Worldwide

Participation: Worldwide
 Mode: CW
 Bands: 160, 80, 40, 20, 15, 10, 6 m
 Classes: (none)
 Max power: 5 Watts
 Exchange: RST, state, province or country and member no or power output
 Work stations: Once per band
 QSO Points: 5 points per QSO with members; 2 points per QSO with non-member W/VE stations; 4 points per QSO with non-member DX stations
 Multipliers: Each state, province or country, once per band; Bonus: multiply total points by 1.25 if xmtr or receiver is homebrew; Bonus: multiply total points by 1.5 if both xmtr and receiver are homebrew
 Score Calculation: Total score = bonus multiplier x total QSO points x total mults
 Submit logs by: 16 September 2019
 E-mail logs to: n8xx@arrl.org
 Mail logs to: Hank Greeb, N8XX, 5727 11 Mile Rd NE, Rockford, MI 49341, USA
 Find rules at: www.miqrp.net/contest

160th anniversary of the Carrington Event

Michael Marcus, N3JMM reports that Sunday 1 September is the 160th anniversary of the Carrington Event - the largest documented solar storm and the beginning of understanding how it affects terrestrial systems.

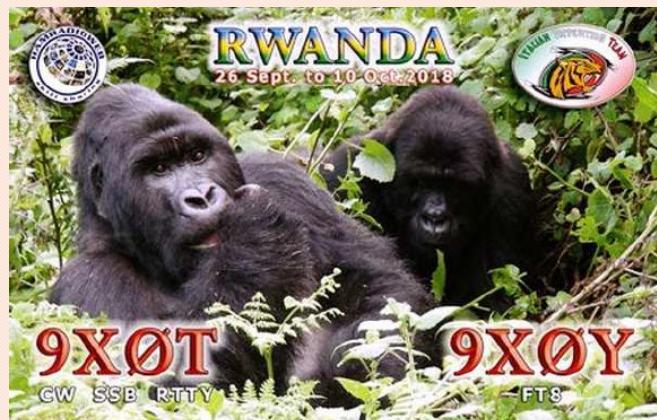
The Carrington Event was a powerful geomagnetic storm during solar cycle 10 (1855 – 1867). A solar coronal mass ejection (CME) hit Earth's magnetosphere and induced one of the largest geomagnetic storms on record, 1 to 2 September 1859. The storm caused strong auroral displays and wrought havoc with telegraph systems.

Watch What Was the Carrington Event? - The Most Powerful Solar Storm on Record
<https://youtu.be/uAuyv9TCThI>

Solar storm of 1859 https://en.wikipedia.org/wiki/Solar_storm_of_1859

Next Week's Contests

Hiram Percy Maxim Birthday Celebration, 00:00 UTC 31 August to 23:59 UTC 8 September
 MI QRP Labour Day CW Sprint, 23:00 UTC 2 September to 03:00 UTC 3 September
 ARS Spartan Sprint, 01:00 - 03:00 UTC 3 September
 Phone Fray, 02:30 - 03:00 UTC 4 September
 CWops Mini-CWT Test, 13:00 - 14:00 UTC and 19:00 - 20:00 UTC 4 September and 03:00 - 04:00 UTC 5 September



UKEICC 80 m Contest, 20:00 - 21:00 UTC 4 September
G3ZQS Memorial Straight Key Contest, 23:00 UTC 4 September to 23:00 UTC 6 September
NRAU 10 m Activity Contest, 17:00 - 18:00 UTC (CW) and 18:00 - 19:00 UTC (SSB) and 19:00 - 20:00 UTC (FM) and 20:00 - 21:00 UTC 5 September (Dig)
SKCC Sprint Europe, 19:00 - 21:00 UTC 5 September
NCCC RTTY Sprint, 01:45 - 02:15 UTC 6 September
NCCC Sprint, 02:30 - 03:00 UTC 6 September
All Asian DX Phone Contest, 00:00 UTC 7 September to 24:00 UTC 8 September
Russian RTTY WW Contest 00:00 - 23:59 UTC 7 September
Wake-Up! QRP Sprint, 06:00 - 06:29 UTC and 06:30 - 06:59 UTC and 07:00 - 07:29 UTC and 07:30 - 08:00 UTC 7 September
SKCC Weekend Sprintathon, 12:00 UTC 7 September to 24:00 UTC 8 September
IARU Region 1 SSB Field Day, 13:00 UTC 7 September to 12:59 UTC 8 September
RSGB SSB Field Day, 13:00 UTC 7 September to 13:00 UTC 8 September
Nebraska QSO Party, 13:00 UTC 7 September to 01:00 UTC 8 September
Ohio State Parks on the Air, 14:00 - 22:00 UTC 7 September
AGCW Straight Key Party, 16:00 - 19:00 UTC 7 September
PODXS 070 Club Jay Hudak Memorial 80 m Sprint, 20:00 UTC 7 September to 20:00 UTC 8 September
North American CW Sprint, 00:00 - 04:00 UTC 8 September
4 States QRP Group Second Sunday Sprint, 00:00 - 02:00 UTC 9 September
RSGB 80 m SSB Autumn Series, 19:00 - 20:30 UTC 9 September

Items used with acknowledgement to the ARRL Letter, the ARRL DX News, the ARRL Contest Update, OPDX Bulletin, 425 DX Bulletin, DXNL Newsletter, WIA-News, the RSGB News, OxCoffee, Southgate ARC News, DX World and the Amateur Radio Newsletter